University of Washington

urban horticulture

Spring, 1997

director's notes

Hallelujah! A generous gift by the Pendleton and Elisabeth Carey Miller Charitable Foundation will enable us to do something we have dreamed of for years: beginning March 15, the Miller Horticultural Library will be open on Saturdays from 9 a.m. to 3 p.m. (with a break in July and August). Our new Saturday hours will also feature a walk-in clinic sponsored by the WSU/King County Master Gardeners, just as on Monday evenings. Incidentally, we are now in our fourth year of being open Monday evenings, thanks to the Northwest Horticultural Society whose grants also support our lending collection and library outreach education, as well as student scholarships. And now the NHS is planning for its second exciting benefit auction to raise money for the endowment that ensures the Library's future. The auction will be May 4, at the Center; tickets are limited, so for information please contact the NHS office. In addition, the Miller Foundation has again granted us a $15,000 matching challenge, whereby they will match each gift to the library up to a maximum of $1,000; this is a terrific opportunity to double the value of your contribution. Our profound thanks to all you kind donors who empower us to increase the quality and quantity of Library service each year.

Trees hold slopes! Timely research by CUH graduate student Kathy Parker and me over 1996 illustrated a little-appreciated value of our urban forest, namely its contribution to slope stability. We studied the relationship between vegetation and landslides along the famously unstable Magnolia Bluff in Seattle, and found that trees at the slope's crest may mean no landslides below. (This is not an absolutely reliable correlation on all slopes, as other factors such as differential geotectonic instability can foster a landslide no matter what the vegetation.) Our research in Magnolia confirmed what slope engineers have long known, that a well vegetated slope – with many different species of trees, shrubs, and herbaceous plants – is much more likely to remain stable than is a slope devoid of diverse woody plants.

Finally, welcome to all you NHS members who, from this issue on, will receive our quarterly newsletter as an additional benefit of NHS membership!

Clement Hamilton, Director, Center for Urban Horticulture

special events

USING NATIVE PLANTS TO ATTRACT WILDLIFE: 1997 Native Plant Symposium

Saturday, May 10, 9 a.m. to 3 p.m.
NHS Hall, Union Bay
$30, includes lunch and special booklet; pre-registration required

Starting Right: Garden Design Principles Using Native Plants

Charles Anderson, Landscape Architect with Anderson & Ray, Inc., will share design principles for using native plants to create woodland, rock garden or other naturalistic habitats. He will present specific plant requirements and discuss why he recommends particular ground covers, perennials, shrubs, and trees for creating specific landscapes.

Wildlife Enhancement Features for Habitat Landscapes

Russell Link, Wildlife Biologist with Washington Department of Fish and Wildlife, will review habitat enhancement features for encouraging specific small mammals, birds, reptiles and amphibians into your garden. Items discussed will include nesting boxes, hibernation mounds, perching platforms, and more.

Butterflies & Their Plant Partners

Sharon Collman, WSU Affiliate Researcher & UW-CUH Ph.D. student, will define the habitat requirements for butterflies and moths and discuss the importance of plant selection and arrangement for their survival. She will also address issues surrounding the release of butterflies in our area.

Attracting Birds to Your Garden

Landscape Architect Keith Geller will discuss creating a habitat for birds by using a mix of native and non-native plants. He will begin with ground cover suggestions, and work his way up to the canopy.

FREE WATER CONSERVATION LECTURES

The following programs are being provided for **FREE** because the costs have been underwritten by the Seattle Public Utilities and its wholesale water customers. Pre-registration is required for these programs.

Creating A Beautiful Water-Wise Garden

Thursday, April 24, from 7 to 9 p.m.
Douglas Classroom, Union Bay
Free program; attendance limited to 50

Join instructor Jil Stenn, of Stenn Design, and learn about the principles of water-wise garden design, including site planning, plant selection, and other economical and resource-efficient strategies for creating attractive home landscapes.

Your Automatic Irrigation System

Thursday, May 8, from 7 to 9 p.m.
Douglas Classroom, Union Bay
Free program; attendance limited to 50

Matthew Suhadolnik, from SvR Design Company in Seattle, discusses how to ensure peak performance from your sprinkler system, thus saving water and not wasting it. Design considerations, installation procedures, irrigation scheduling, and maintenance issues will be covered.

Drip Irrigation Made Easy

Thursday, June 12, from 7 to 9 p.m.
Douglas Classroom, Union Bay
Free program; attendance limited to 50

Discover how to design and use a drip irrigation system appropriate to your unique garden beds with Howard Stenn of Stenn Design. Get a hands-on look at drip components and how they are assembled, learn where to buy and what sources to avoid, and discover how to schedule and use your system in an economical manner.

calendar of events

april

s	m	t	w	th	f	s
13 11am-4pm, UB African Violet Show **20** 9am-4pm, UB Master Gardener Plant Sale 2:30pm, UB Cactus Society **27** 10am Arboretum Foundation Spring Plant Sale **Every Sunday:** 1pm, WPA Sunday at One Guided Tour	**7** 7:30pm, UB Iris Society **14** 7pm, UB Orchid Society	**8** 7pm, UB* Soil Science for Gardeners **15** 7pm, UB* Soil Science for Gardeners 7pm, UB* NHS Lecture: Artful Gardens & Garden Art **22** 7pm, UB Assoc. Women in Landscaping 7pm, UB* Soil Science for Gardeners	**2** 7pm, UB* Botanical Illustration **9** 10am, WPA* Arb. Focus Walk: Rhododendron Glen 7pm, UB* Botanical Illustration 7pm, UB PlantAmnesty 7:30pm, WPA* The Contained Garden **16** 7pm, UB* Botanical Illustration **23** 7pm, UB* Botanical Illustration **30** 7pm, UB* Botanical Illustration	**3** 7pm, WPA* Prop Shop: Grafting Skills **10** 7pm, WPA* AF Crafts: Mixed Containers for Spring 7:40pm, UB Rock Garden Society **17** 9am & 2pm* Miller Garden Tour 7:30pm, UB* WSU Lecture: Mulch Madness 7:40pm, UB Rock Garden Society **24** 8:30am, UB* NHS: Urban Garden Symposium 10am, UW Arbor Day Fair 7pm, UB Creating A Water-Wise Garden	**18** 9am & 2pm* Miller Garden Tour **25** 10am, UW Arbor Day Fair	**5** 9am, WPA* Arboretum Plant Study Program 10am, UB* Basics of Rose Care **12** 9am, UB* Design Studio: Focus on Mixed Perennial Borders 11am-4pm, UB African Violet Show **19** 9am, WPA* Arboretum Plant Study Program 9am-4pm, UB Master Gardener Plant Sale **26** 10am, WPA Arboretum Foundation Spring Plant Sale 10am, UW Arbor Day Fair **Every Saturday:** 1pm, WPA Saturday at One Guided Tour

may

s	m	t	w	th	f	s
4 3pm, Opera House AF Seattle Symphony Benefit Concert 6pm, UB NHS Garden Party & Auction **18** 2:30pm, UB Cactus Society **Every Sunday:** 1pm, WPA Sunday at One Guided Tour	**12** 7pm, UB Orchid Society **19** 7pm, UB Puget Sound Bonsai Association	**6** 1:30pm* Knowing & Growing Plants from Miller Garden **13** 1:30pm* Knowing & Growing Plants from Miller Garden **20** 1:30pm* Knowing & Growing Plants from Miller Garden 7pm, UB NHS Annual Meeting: Hartlage Lecture **27** 7pm, UB Assoc. Women in Landscaping	**7** 7pm, UB* Botanical Illustration **14** 10am, WPA* Arb. Focus Walk: Magnificent Magnolias 7pm, UB* Botanical Illustration **21** 7pm, UB TREEmendous Seattle	**8** 7pm, UB Your Automatic Irrigation System **15** 7:30pm, UB* WSU Lecture: Trouble Free Plants for NW Gardens 7:40pm, UB Rock Garden Society **22** 7pm, UB* Garden Pest ID & Management **29** 7pm, UB* Garden Pest ID & Management	**16** 8:30am*, returns 5/17 Garden Tour of Portland	**10** 9am, UB* Symposium: Using Native Plants to Attract Wildlife 9am, UB* Design Studio: Focus on Edible Landscapes **17** 9am, WPA* Arboretum Plant Study Program **24** 10am, WPA* AF Crafts: Hypertufa Basics **Every Saturday:** 1pm, WPA Saturday at One Guided Tour

june

s	m	t	w	th	f	s
15 2:30pm, UB Cactus Society **Every Sunday:** 1pm, WPA Sunday at One Guided Tour	**9** 7pm, UB Orchid Society	**3** 7pm, UB Assoc. for Women in Landscaping **10** 7:30pm, UB Puget Sound Mycological Society **24** 7pm, UB Assoc. Women in Landscaping	**11** 10am, WPA* Arb. Focus Walk: Japanese Garden 7pm, UB PlantAmnesty	**5** 7pm, WPA* Prop Shop: Intro to Micropropagation Techniques **12** 7pm, UB Drip Irrigation Made Easy 7:40pm, UB Rock Garden Society **19** 7:30pm, UB* WSU Lecture: Small Water Features	**6** 1pm-4pm, UB NHS Fern Festival 7pm, UB* NHS Fern Lecture **20** 8am*, returns 6/21 Vancouver Garden Tour **27** 7pm, UB* NHS Lecture: Euphorbias	**7** 9am, WPA* Arboretum Plant Study Program 10am-2pm, UB NHS Fern Festival **14** 9am, UB* Design: Architectural Elements **21** 9am, WPA* Arboretum Plant Study Program **28** 9am, UB* Construction: Cement Ponds 10am, UB* AF Crafts: Spring Arrangements **Every Saturday:** 1pm, WPA Saturday at One Guided Tour

UB = Union Bay Campus
WPA = Washington Park Arboretum
UW = University of Washington Main Campus
* = Fee

university of washington center for urban horticulture

The University of Washington Center for Urban Horticulture is dedicated to research, teaching, and public service concerning the selection, management, and role of plants and of ecosystems in urban landscapes.

Director
Clement W. Hamilton

- Continuing and Public Education
- Douglas Research Conservatory
- Elisabeth C. Miller Library
- Otis Douglas Hyde Hortorium
- Undergraduate and Graduate Education
- Union Bay Gardens
- Union Bay Natural Areas
- Washington Park Arboretum

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CUH/CFR Continuing & Public Education Staff

Dave Stockdale, CUH Adult & Professional Education Coordinator
Dana Kirley, CUH Youth & Outreach Education Coordinator
Jean Robins, CUH Program Coordinator
Bev Gonyea, CFR Continuing Education Manager
Kirsten Bilodeau, CUH Education Program Assistant
Heather Moss, CUH Work Study Program Assistant

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Seattle, Washington 98195-8010
(206) 543-8800 phone
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gardening & horticulture programs

Botanical Illustration

Dates & Times: Seven-part course; Wednesdays, April 2, 9, 16, 23, 30 & May 7 & 14, from 7 to 9:30 p.m. each night
Instructor: Louise Smith, Botanical Illustrator, Seattle
Location: Douglas Classroom, Union Bay
Fee: $120, not including materials (which will cost approximately $80-$100); pre-registration required

This introductory level course will focus on developing accurate pencil drawing and wash and dry brush techniques. Students should bring drawing paper and pencil only to the first class; an additional materials list will be provided at the first class, and students will be given an option to purchase those items from the instructor or independently.

Basics of Rose Care

Date & Time: Saturday, April 5, from 10 a.m. to Noon
Instructor: Jeff Wyckoff, Rosarian, Seattle
Location: Douglas Classroom, Union Bay
Fee: $8 general public, $7 Arboretum Foundation members; pre-registration required

Learn how to care for America's favorite flower in this introductory level course that will cover plant selection, placement & planting, fertilization, watering, pruning, pest management, and more.

Soil Science for Gardeners

Dates & Times: Three-part course; Tuesdays, April 8, 15 & 22, from 7 to 9 p.m. each night
Instructor: Mignonne Partington, Assistant Nursery Manager, Molbak's Nursery, Woodinville
Location: Douglas Classroom, Union Bay
Fee: $27; pre-registration required

Study the basics of soil science, such as soil composition and structure, nutrient availability, and soil water relations relative to plant growth in this introductory level course. Learn how to improve soil structure and fertility and solve other soil-related problems.

The Contained Garden From Start to Finish

Date & Time: Wednesday, April 9, from 7:30 to 9 p.m.
Instructor: Richard Hartlage, Director/Curator, Elisabeth C. Miller Botanical Garden, Seattle
Location: Graham Visitors Center, Washington Park Arboretum (WPA)
Fee: $8 general public, $7 Arboretum Foundation members; pre-registration required

Discover all the secrets for designing, planting, and maintaining beautiful, extended-season containers during this slide lecture and question and answer presentation.

Knowing & Growing Plants from the Miller Botanical Garden

Dates & Times: Three-part course; Tuesdays, May 6, 13 & 20, from 1:30 to 4:30 p.m. each day
Instructor: Richard Hartlage, Director/Curator, Elisabeth C. Miller Botanical Garden, Seattle
Location: Miller Botanical Garden, Seattle
Fee: $42, does not include transportation to the garden (driving directions will be provided); pre-registration required

The Miller Botanical Garden contains many outstanding woody plants of interest and use to local gardeners, as well as many rare plants prized by collectors. Join us for a unique opportunity to study these fine woody plants and learn how to grow them in your own garden.

Garden Pest Identification & Management

Dates & Times: Two-part course; Thursdays, May 22 & 29, from 7 to 9 p.m. each day
Instructor: Dr. Susan Miller, Consulting Entomologist, Longbranch, WA
Location: Douglas Classroom, Union Bay
Fee: $24; pre-registration required

Study the lifecycles of common landscape pests and learn to recognize early symptoms of infestation. Learn to diagnose pest problems and study integrated pest management techniques to reduce or eliminate them in this introductory level hands-on course.

WSU Practical Gardening Lectures

These entry level lectures and demonstrations for beginning gardeners are planned jointly with the WSU Cooperative Extension Master Gardener Program, and are presented by experienced WSU Master Gardeners and Cooperative Extension staff.

Mulch Madness

Date & Time: Thursday, April 17, from 7:30 to 9 p.m.
Instructor: Suzanne Leger, WSU Master Gardener
Location: Douglas Classroom, Union Bay
Fee: $5; pre-registration required

Trouble-free Plants for Northwest Gardens

Date & Time: Thursday, May 15, from 7:30 to 9 p.m.
Instructor: Mary Robson, WSU Area Extension Agent
Location: Douglas Classroom, Union Bay
Fee: $5; pre-registration required

Small Water Features

Date & Time: Thursday, June 19, from 7:30 to 9 p.m.
Instructor: Stephen Rutledge, WSU Master Gardener
Location: Douglas Classroom, Union Bay
Fee: $5; pre-registration required

design studio

These studios provide the opportunity to problem solve with a top landscape designer. These studios are *not* for those individuals interested in designing their garden from scratch, but rather are for *persons working to correct or enhance existing landscapes.*

Each studio includes a brief discussion of the focus topic, followed by opportunities for each attendee to discuss their needs with the designer while the rest of the attendees listen to and participate in the problem solving discussions that ensue. In order to enhance the studio experience, each student is asked to bring along a scale drawing of the garden area under consideration.

Focus on Mixed Perennial Borders

Date & Time: Saturday, April 12, 9 a.m. to 12:30 p.m.
Instructor: Terry Hershey, Cotswold Garden & Design, Vashon
Location: Douglas Classroom, Union Bay
Fee: $25; pre-registration required, class size limited to 15

Focus on Edible Landscapes

Date & Time: Saturday, May 10, 9 a.m. to 12:30 p.m.
Instructor: Sue Moss, Sue Moss Garden Design, Seattle
Location: Douglas Classroom, Union Bay
Fee: $25; pre-registration required, class size limited to 15

Focus on Using Architectural Elements in the Garden

Date & Time: Saturday, June 14, 9 a.m. to 12:30 p.m.
Instructor: Phil Wood, Phil Wood Garden Design, Seattle
Location: Douglas Classroom, Union Bay
Fee: $25; pre-registration required, class size limited to 15

construction demonstrations

Programs in this series each include a brief review of design considerations, a discussion of the materials needed (including options, determining amounts needed, costs, and where to find them), a review of the tools required, plus a demonstration if the construction techniques and tricks necessary to complete projects on your own.

Building Garden Ponds Using Concrete & Concrete Block

Date & Time: Saturday, June 28, 9 a.m. to Noon.
Instructor: Kris Webb, Universal Supply & Accessories, Seattle
Location: Greenhouse adjacent to Graham Visitors Center, Washington Park Arboretum (WPA)
Fee: $23 general public, $20 Arboretum Foundation members; pre-registration required, class size will be limited to 20

youth & family programs

Sign-up for the Arboretum's Spring Saplings Program

Calling all 3rd, 4th, and 5th grade classes! Join us this spring and learn about your environment through interactive games, observation, and hands-on activities. Take cuttings, plant seeds, and take home a plant during our **Spring Sprouts** propagation program or explore a freshwater wetland with dip nets, magnifiers, and an inflatable aquarium in our **Wet & Wild** program. Saplings will be offered Monday-Friday, May 5-30, 10 to 11:30 a.m. or 12 to 1:30 p.m. This program is FREE, and very popular, so pre-registration is required; call 543-8800 to reserve your spot.

Arbor Day Celebration

Learn about trees, animals, birds, water, recycling and other parts of a forest system and related ecosystems at the UW College of Forest Resources' 2nd Annual Arbor Day Fair. Discover how science, education and technology are helping us better understand the global ecosystem. Activities will be conducted April 24 & 25, 10 a.m. to 3 p.m. for school groups, and April 26, 10 a.m. to 3 p.m. for families and other youth groups. Pre-register for this FREE event by phoning 543-0867.

Explorer Packs in the Arboretum

Tools for the adventurous! These backpacks are filled with field guides, scavenger hunt ideas, magnifying lenses and activity ideas to help you learn about the habitats, plants, animals and insects found in the Arboretum. Designed for children in grades K–6, each pack can accommodate 1 to 15 youngsters. Spring packs include: Water Ecology Pack; Forest Habitat Pack; and our new TREEtective Pack. Two hour rentals are available between 10 a.m. and 2:30 p.m., every day, year-round. Packs rent for $5 for families of 6 or less, $3 for Arboretum Foundation member families, or $15 for groups of 7 or more.

Arboretum Guide Booklets for Parents & Educators

Youth Education Programs Guide- A complete and detailed listing of all the programs for youth and families in the Arboretum. The Guide is published twice a year and is FREE. Call 543-8800 to receive a copy or be added to the mailing list.
Children & Gardening Guide- This full color guide shows how to lead youth in gardening and nature-related programs and activities in the Arboretum and Seattle area. The guide is $5 ($3 for educators) and can be purchased in the Arboretum Gift Shop.

Self-Guided Learning Opportunities

Use the Arboretum as your outdoor classroom. This 200-acre, centrally located urban forest offers a wealth of study material and experimental opportunities, and we will assist you in planning your visit by offering information on specific subject areas and plant collections free of charge. Groups of 10 or more must schedule their visit with the Education Department by phoning 543-8800.

Guided Arboretum Hikes for Families & Youth Groups

Guided hikes through the Arboretum led by trained guides are available for your class, family, or youth group. These 60-90 minute walks stress sensory interaction and discovery. Tour topics include: Foster Island Ecology; Native Plants & Ethnobotany; and Spring in Action. Tours are available between 10 a.m. and 3 p.m., every day, year-round. Hikes cost $5 per 15 youth, and three weeks advanced reservation is reqired; call 543-8800.

walks & tours

Tour: Elisabeth C. Miller Botanical Garden

Dates & Times: Section A—Thursday, April 17, from 9 a.m. to Noon
Section B—Thursday, April 17, from 2 to 5 p.m.
Section C—Friday, April 18, from 9 a.m. to Noon
Section D—Friday, April 18, from 2 to 5 p.m.

Tour Guides: Richard Hartlage, Director/Curator and Michael Boswell, Head Gardener, Elisabeth C. Miller Botanical Garden

Depart From: East parking lot adjacent to Douglas Research Conservatory, Union Bay

Fee: $17, transportation provided; pre-registration required, each section limited to 14 persons

Join us as we again visit one of the most beautiful and unique gardens in Seattle to savor the spring bloom! Betty Miller was a leader in our regional horticultural community who collected rare and unusual woody plants from around the world. She crafted her collections into a garden that combines many unique specimens in an aesthetic manner. Access to this garden is limited, so don't miss out!

Tour: Private & Public Gardens of Portland

Dates & Times: Depart Friday, May 16, at 8:30 a.m. and return Saturday, May 17, at 6:30 p.m.

Depart From: East parking lot adjacent to Douglas Research Conservatory, Union Bay

Fee: $135, includes transportation, hotel (based on double occupancy), two lunches, all entry fees; does not include dinner on first evening or breakfast the second day. Pre-registration required, limited to 22 persons

Portland's many beautiful gardens will soon be ablaze with color. Our tour will include such wonderful public gardens as Berry Botanic Garden, Hoyt Arboretum, the Japanese Garden in Washington Park, Bishop's Close, and the Crystal Springs Rhodendron Garden. We will also visit the spectacular Platt Garden and the amazing/amusing Bella Madrona (formerly known as the Beasley Garden)- two of America's finest private gardens. We will be staying at the downtown Mallory Hotel.

Tour: Public & Private Gardens of Vancouver, B.C.

Dates & Times: Depart Friday, June 20, at 8 a.m. and return Saturday, June 21, at 7 p.m.

Depart From: East parking lot adjacent to Douglas Research Conservatory, Union Bay

Fee: $145, includes transportation, hotel (based on double occupancy), two lunches, all entry fees; does not include dinner on first evening or breakfast the second day. Pre-registration required, limited to 22 persons

The garden glories of Vancouver await! We will enjoy such terrific public gardens as Van Dusen Botanical Garden, UBC Botanical Garden, Nitobe Japanese Garden, Dr. Sun Yat Sen Classical Chinese Garden and the Bloedel Conservatory at Queen Elizabeth Park. We will also the private gardens of Pam Frost and Tom Hobbs, plus Tom's small specialty nursery. Friday evening we will stay at the downtown Holiday Inn, and optional excursions to Chinatown or Granville Island will be offered.

Arboretum Focus Walks

Arboretum Focus Walks are designed to explore the plant collections of the Washington Park Arboretum, by focusing on specific plant groups or investigating collections development and management. Although for other programs the University requires advance payment and registration, for these walks, you will be required to pay at the point of departure.

Rhododendron Glen & the Stream Restoration Project

Date & Time: Wednesday, April 9, 10 a.m. to Noon

Instructor: Chris Pfeiffer, Horticulturist, UW-CUH, Washington Park Arboretum (WPA)

Location: Depart from the south patio of the Graham Visitors Center, WPA

Fee: $5 general public, $4 Arboretum Foundation members, payable at the point of departure

Magnificent Magnolias

Date & Time: Wednesday, May 14, 10 a.m. to Noon

Instructor: Tracy Omar, Plant Registrar, UW-CUH, WPA

Location: Depart from the south patio of the Graham Visitors Center, WPA

Fee: $5 general public, $4 Arboretum Foundation members, payable at the point of departure

Japanese Garden

Date & Time: Wednesday, June 11, 10 a.m. to Noon

Instructor: Jan Pirzio-Birolli, Naturalist, WPA Volunteer Guide

Location: Depart from entry to Japanese Garden

Fee: $5, including entry fee, payable at the point of departure

Guided Arboretum Hikes for Adults

Immerse yourself in azaleas, cherries, crabapples, magnolias, dogwoods, rhododendrons, and the other vibrant colors and fragrances of spring. Guided hikes through the Arboretum led by trained Arboretum Foundation guides areavailable with advanced registration for garden clubs, senior centers, and other groups. These 60-90 minute walks stress sensory interaction and discovery. They are available 10 a.m. to 3 p.m., every day, year-round. Fees are $10 per 15 adults, or for Arboretum Foundation Units & Study Groups, $5 per 15 adults. Reserve your guide by calling 543-8800; three weeks advance reservation required.

Free Guided Arboretum Walks

Every Saturday at Sunday at 1 p.m., FREE public tours depart from the Graham Visitors Center in the Arboretum. Walks highlight areas and collections of seasonal interest. Walks are not offered in December, on holidays, or on Husky home football game Saturdays.

Tour: Gardens & Parks of South Africa

There are still a few spaces left on our exciting tour of private and public gardens and parks and preserves of South Africa from September 19 to October 3, 1997. Among the sites to be visited in the Johannesburg/Pretoria area: Johannesburg Botanical Gardens, Witwatersrand National Botanical Garden, Krugersdorp Game Reserve, Pretoria National Botanical Gardens, Austin Roberts Bird Sanctuary, plus private gardens. Visits east of Johannesburg will include: Lowveld Botanical Garden and the amazing Kruger National Park. Sites in the Cape Town area include: Cape of Good Hope, Company Greens, Karoo National Botanical Gardens, Fernkloof Nature Reserve, Harold Porter National Botanical Gardens, private gardens, wildflowers & the unique flora of Table Mountain, and one of the most renowned jewels in the entire garden world—Kirstenbosch Botanical Gardens. The tour will also include visits to a number of cultural and historical places of interest.

For a brochure with complete itinerary and detailed descriptions of each site, plus costs and sign-up information, please contact Dave Stockdale or Jean Robins at the Center for Urban Horticulture at (206) 685-8033. The sign-up deadline is July 15.

prop shop

Each section focuses on a different aspect of plant propagation and includes a discussion of the featured technique, including when and with which plants it is best used, followed by a demonstration of skills, and hands-on practice by participants whenever possible.

Spring, Section A: Grafting Skills

Date & Time: Thursday, April 3, from 7 to 9 p.m.
Instructor: Gil Schieber, Horticulturist, Seattle
Location: Greenhouse adjacent to Graham Visitors Center, WPA
Fee: $16 general public, $14 Arboretum Foundation members; pre-registration required, class size limited

Spring, Section B: Demonstration of Micropropagation Techniques

Date & Time: Thursday, June 5, from 7 to 9 p.m.; this section is a demonstration only
Instructor: Dr. Martin Meyer, Professor Emeritus of Horticulture, U. of Illinois, Visiting Professor, UW Department of Botany
Location: Greenhouse adjacent to Graham Visitors Center, WPA
Fee: $16 general public, $14 Arboretum Foundation members; pre-registration required, class size limited

af nature crafts

This series provides hands-on opportunities to make and take home a variety of plant and plant-related projects. Planned and instructed under the leadership of the Arboretum Foundation Natural Crafts Study Group and the Arboretum Foundation Education Committee, these programs require advance registration through the Arboretum Foundation office by phoning 726-1954. *Please do not send registrations to the University.*

Mixed Containers for Spring- Arboretum Style

Date & Time: Thursday, April 10, 7 to 9 p.m.
Location: Graham Visitors Center, Washington Park Arboretum (WPA)
Fee: $20 non-members, $15 Arboretum Foundation members; pre-registration required, call 726-1954.

Hypertufa Basics

Date & Time: Saturday, May 24, 10 a.m. to Noon
Location: Graham Visitors Center, WPA
Fee: $25 non-members, $20 Arboretum Foundation members; pre-registration required, call 726-1954.

Garden Arrangements for Spring

Date & Time: Saturday, June 28, 10 a.m. to Noon
Location: Graham Visitors Center, WPA
Fee: $15 non-members, $10 Arboretum Foundation members; pre-registration required, call 726-1954.

arboretum plant study program

Each section of this year-round study program focuses on a different set of trees, shrubs, vines, and ground covers in the Washington Park Arboretum, and includes field work on plant identification, plus discussions on plant selection, placement, and function within the urban environment.

In each section you will study at least 15 plants not covered in any other section during the same calendar year; over 300 plants will be covered annually. Plants will be studied in the season of their most distinguishing characteristics (flowers, fruits, etc.).

Spring, Section A: Saturday, April 5, from 9 a.m. to Noon

Instructor: Randall Hitchin, M.S. Student, UW Center for Urban Horticulture (UW-CUH)
Location: Washington Park Arboretum (departure location will be indicated in course confirmation letter)
Fee: $17 general public, $15 Arboretum Foundation members; pre-registration required, class size limited

Spring, Section B: Saturday, April 19, from 9 a.m. to Noon

Instructor: Cynthia Gilbert, Ph.D. Student, UW-CUH
Location: Washington Park Arboretum (departure location will be indicated in course confirmation letter)
Fee: $17 general public, $15 Arboretum Foundation members; pre-registration required, class size limited

Spring, Section C: Saturday, May 17, from 9 a.m. to Noon

Instructor: Dr. Clement Hamilton, Director, UW-CUH, Associate Professor of Plant Taxonomy
Location: Washington Park Arboretum (departure location will be indicated in course confirmation letter)
Fee: $17 general public, $15 Arboretum Foundation members; pre-registration required, class size limited

Spring, Section D: Saturday, June 7, from 9 a.m. to Noon

Instructor: Tracy Omar, Plant Registrar, UW-CUH, Washington Park Arboretum
Location: Washington Park Arboretum (departure location will be indicated in course confirmation letter)
Fee: $17 general public, $15 Arboretum Foundation members; pre-registration required, class size limited

Spring, Section E: Saturday, June 21, from 9 a.m. to Noon

Instructor: Scott Conner, Consultant Horticulturist, Conner Enterprises
Location: Washington Park Arboretum (departure location will be indicated in course confirmation letter)
Fee: $17 general public, $15 Arboretum Foundation members; pre-registration required, class size limited

arboretum foundation news

47th Annual Spring Plant Sale

AF Members' pre-sale, Saturday, April 26
Public Sale, Sunday, April 27, 10 a.m. to 5 p.m.

Location TO BE ANNOUNCED

Choose from a wide selection of unusual trees, shrubs, and herbaceous plants, many of which cannot be found anywhere else. Call 325-4510 for more information.

Symphony Benefit Concert

May 4, 3 p.m., $15, Seattle Center Opera House

The Seattle Symphony will be presenting this benefit All-Community Concert sponsored by U.S. Bank. 100% of all proceeds from ticket sales/ donations specifying the Arboretum Foundation as the beneficiary go to the Foundation. For tickets, call 443-4747.

Pat Calvert Plant Sales

A wide variety of plants are always available for purchase from the Pat Calvert Greenhouse in the Arboretum every Tuesday from 10 a.m. to Noon, and the first Saturday of the month, 10 a.m. to 2 p.m. Arboretum Foundation Volunteers grow plants from seeds or cuttings from plants in the collections of the Arboretum.

Plant Donations Sales

The Plant Donations Department opened for the season on March 20. Members sell favorites from their own gardens at great prices. Current hours are Wednesdays, 10 a.m. to Noon (and adding Saturdays, 10 a.m. to Noon, starting in June).

Member Discounts

Arboretum Foundation members enjoy a 10% discount in the Arboretum Gift Shop, and discounts on selected UW-CUH programs, plus receive special invitations to members-only events. Call 325-4510 to join!

northwest horticultural society news

Lectures, unless noted, are $5 for NHS members, students & seniors, $10 for non-members; call NHS at 527-1794.

Ann Lovejoy Lecture

Author Ann Lovejoy presents "Artful Gardens and Garden Art", April 15, 7 pm, NHS Hall, CUH.

Urban Garden Symposium

Speakers: Dan Hinkley, Charles Price, Glenn Withey, Thomas Hobbs, Jock Wick, Iain Robertson. April 24, 8:30 a.m. to 4:30 p.m., NHS Hall; $75 NHS members/students/seniors; $90 non-members.

Garden Party & Auction

May 4, 6 to 8 p.m., NHS Hall, CUH. Second annual Auction to benefit the NHS Endowment Fund for the Miller Horticultural Library.

Richard Hartlage Lecture

Miller Botanical Garden Director Richard Hartlage lectures on "The American Perennial Border" at the NHS Annual Meeting on May 20, 7 p.m., NHS Hall.

Fern Festival

NHS & the Hardy Fern Foundation present their annual Fern Festival on June 6-7, CUH. Friday lecture on New Zealand ferns by Sue Olson, fern sale Friday from 1 to 4 p.m., Saturday, from 10 a.m. to 2 p.m. (Note the date change from earlier listings.) Call for details.

Timothy Walker Lecture

Oxford Botanical Garden Director Timothy Walker presents "Euphorbias: Probably the Best Plants in the World", June 27, 7 p.m., NHS Hall.

Mail payment and registration to:

Urban Horticulture Courses
University of Washington
Box 354115
Seattle, Washington 98195-4115

Or you may register in person at the Union Bay campus, 3501 NE 41st St., M-F, 8 a.m. to 5 p.m.

Please make checks payable to the University of Washington. No bank cards.

Registrations will be filled in the order received. Enrollment is limited and classes fill rapidly, so register early. A portion of your fee may cover refreshments and speaker expenses.

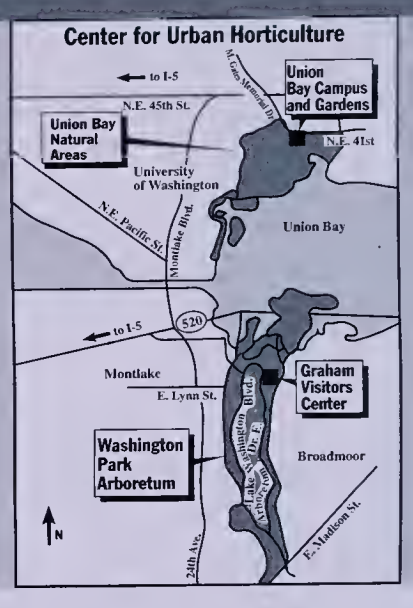
Refunds: Requests must be in writing or in person. Requests received 7 days or less from first class meeting have a $5.00 handling fee deducted. No refunds can be given after the first class meeting.

If a program is cancelled for any reason a full refund will be given to all enrollees. Refunds may require four weeks for processing.

Returned Checks: An $18.00 service fee will be charged for returned checks.

Special Needs: To request disability accommodation, please contact the Office of the ADA Coordinator at least ten days in advance of an event: (206) 543–6450 (voice); (206) 543–6452 (TDD); (206) 685-3885 (FAX); access@u.washington.edu (Email).

Class Locations and Parking: Program locations are listed with each program description. The Graham Visitors Center at Washington Park Arboretum is located at 2300 Arboretum Drive East; free parking is located adjacent to the building. Douglas Classroom, NHS Hall and the other meeting facilities at Union Bay are located at 3501 NE 41st Street; prepaid parking is located adjacent to the buildings.



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registration form

program	fee	af members	# spaces	total fee
Special Events				
Using Native Plants to Attract Wildlife	$30			
Creating a Beautiful Water-Wise Garden	free			
Your Automatic Irrigation System	free			
Drip Irrigation Made Easy	free			
Gardening & Horticulture Programs				
Botanical Illustration	$120			
Basics of Rose Care	$8	$7		
Soil Science for Gardeners	$27			
Contained Gardens	$8	$7		
Growing Plants from Miller Garden	$42			
Garden Pest ID & Management	$24			
WSU Practical Gardening Lectures: Mulch Madness	$5			
WSU Practical Gardening Lectures: Trouble-free Plants	$5			
WSU Practical Gardening Lectures: Small Water Features	$5			
Design Studio				
Focus on Mixed Perennial Borders	$25			
Focus on Edible Landscapes	$25			
Focus on Architectural Elements	$25			

program	fee	af members	# spaces	total fee
Construction Demonstrations				
Concrete Garden Ponds	$23	$20		
Walks & Tours				
Tour: Elisabeth C. Miller Botanical Garden				
Section A (April 17, 9 a.m.)	$17			
Section B (April 17, 2 p.m.)	$17			
Section C (April 18, 9 a.m.)	$17			
Section D (April 18, 2 p.m.)	$17			
Tour: Gardens of Portland	$135			
Tour: Gardens of Vancouver	$175			
Prop Shop				
Section A: Grafting Skills	$16	$14		
Section B: Micropropagation	$16	$14		
Arboretum Plant Study Program				
Section A (April 5)	$17	$15		
Section B (April 19)	$17	$15		
Section C (May 17)	$17	$15		
Section D (June 7)	$17	$15		
Section E (June 21)	$17	$15		

Check enclosed for:

(Please make check payable to University of Washington)

_____ Number of people requiring vegetarian meal (where applicable).

Name

Address

City **State** **Zip**

Phone – (day) (evening) **Fax**

Conservation Grant: The Arboretum received an Institute of Museum Services Conservation Grant for the proposal entitled "A Color Stereo Aerial Photograph Survey of the Native Collections" in order to survey, map, and evaluate major native trees and naturalized vegetation throughout the Arboretum in relationship to the health and display of the accessioned collections, as well as in relationship to aspects of the new Master Plan. A review of invasive species is included as part of this study. A 1936 vegetation map of the Arboretum completed by the Olmsted firm will be useful in studying how the naturalized vegetation has changed over the years. This $25,000 award was one of only six made to public gardens this past year. Key Arboretum staff working on its implementation are Chris Pfeiffer and Lou Stubecki. Graduate student Randall Hitchin is also working on the project and will apply information gained towards his master's thesis.

Cherry Evaluation Project: An exhaustive study of the Japanese flowering cherries and their characteristics was recently completed by CUH Ph.D. student Cynthia Gilbert. Cynthia gathered information from as many sources as possible, and has since made recommendations for a demonstration of 12 to 15 cultivars which will be planted out in the old nursery area of the Arboretum. We will be evaluating those trees for flowering characteristics and insect and disease resistance. This information will be very useful as we look towards the future renovation of Azalea Way and our own Japanese cherry collection.

Winter Storm Damage: The early record snowfall of last November caused severe limb damage on many trees in the Arboretum. Hard hit were deciduous trees which had not yet lost their leaves, such as the sweet gums, stripe-barked maples, elms, and birches. Among the evergreen trees damaged, evergreen magnolias were the most heavily impacted. Significant trees lost included 40 year old specimens of *Nothofagus dombeyi*, *Alnus japonica,* and two *Prunus X yedoensis*. The severe snow blast just after Christmas added many more broken limbs to the total. As a group, the Douglas-firs, pines, junipers, and evergreen oaks suffered the most damage. The subsequent heavy rains after the snow caused even more damage from fallen trees, clogged drainage lines, flooding, wash-outs, and overall soggy conditions preventing access to many areas. The drain under the Wilcox bridge clogged, closing Lake Washington Boulevard. Deep water stood in the Sorbus collection. The east arbor of the Graham Visitors Center buckled from the snow load, and the snow leveled two poly houses in the plant production area at Union Bay. The gutter system was damaged on the Northwest Horticultural Society Hall at Union Bay and had to be replaced. Considering the potential for disaster, it was encouraging that so few plants were lost or buildings or structures severely impacted. The large tree management program in the Arboretum has been successful in reducing the large tree failures during storm events. The work load required to clean up has set staff behind in scheduled dormant season plant care operations.

Gifts to Library: The Miller Library recently received a generous gift from Otto Rombots to buy several garden design software packages for its new multimedia computer work station. Another generous gift was funding from Unit 2 of the Lake Washington Garden Club to purchase several new books and videos. Also, the library staff would like to thank the Northwest Horticultural Society, especially Judith Williams, for their generous responses to the recent holiday year-end book-fund appeal.

Rhododendron Hybridizers Garden: After numerous studies and much discussion with the Rhododendron Hybridizers Society, a list of nearly 100 cultivars of rhododendrons hybridized by Puget Sound enthusiasts has been developed. Tracy Omar has been working with members of the Society to locate large specimens of as many of these plants as possible to be planted in the Arboretum.

Master Plan: The Portico group completed the final physical design for the Arboretum Master Plan in January. Work is now continuing on completing the Environmental Impact Statement. The University Board of Regents and Seattle City Council will need to approve the final product later this spring.

Miller Library To Be Open Saturdays: Thanks to funding from the Miller Charitable Foundation, the Miller Library will be open from 9 a.m. to 3 p.m. every Saturday from March through mid-June, and again from September through December. Come visit!

Earthwork Northwest Comes to the Arboretum: The Arboretum will serve as one of the project sites for the Student Conservation Association's annual hands-on community volunteer day celebrating Earth Day on Saturday, April 19. Volunteers will help us battle invasive brush, brambles, and ivy, as well as weeding and mulching plant beds. This will serve as a huge contribution to the maintenance needs of the Arboretum. For more information about this project, call Chris Pfeiffer at 328-4182 or Lisa Steel at SCA at 324-4649.

volunteer news & opportunities

Spring Volunteer Dessert Buffet: CUH will host their annual Volunteer Recognition Dessert Buffet on March 27. University and Arboretum Foundation volunteers are all invited to attend. Guest speakers that evening will be Steve Lorton presenting "My Life in Other People's Gardens", and UW President Richard McCormick, who will be on hand to present our first ever Brian Mulligan Volunteer Awards and express his appreciation to all our volunteers on behalf of the University. See you there!

Library Volunteer Needed for New Saturday Hours: The Miller Horticultural Library is going to be open on Saturdays, and we need a volunteer to help staff with shelving, clerical work, and interacting with the public. Call the library at 543-0415 for more information.

Arboretum Maintenance Volunteers Needed: "Tuesdays in the Garden" work parties need your help. These are held 12:30 to 3:30 p.m. the second Tuesday of each month. Upcoming projects include Azalea Way on April 8, Loderi Valley on May 13, and the Sorbus collection on June 10. Call Chris Pfeiffer at 328-4182 to sign up.

Front Desk Volunteer at WPA Visitors Center Needed: If you enjoy talking with people, sharing your enthusiasm about the Arboretum, and have at least one day per month available, then you could be our newest front desk receptionist at the WPA Graham Visitors Center. For more information, contact Stacey or Cynthia at 543-8800, between 10 a.m. and 4 p.m., Monday–Friday.

center for urban horticulture

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